

METHODS AND APPARATUS FOR MOBILE IP HOME AGENT CLUSTERING

ABSTRACT OF THE DISCLOSURE

Methods and apparatus for processing a registration request from a Mobile Node that has roamed to a Foreign Agent supporting Mobile IP are disclosed. In a first one of a plurality of Home Agents supporting Mobile IP, a registration request addressed to a virtual Home Agent address associated with the plurality of Home Agents is received. The registration request is then sent to a second one of the plurality of Home Agents such that the second one of the plurality of Home Agents creates a binding between the Mobile Node and the Foreign Agent. The first one of the plurality of Home Agents creates a temporary binding between the Mobile Node and the Foreign Agent. A registration reply is then received from the second one of the plurality of Home Agents. The temporary binding is then updated to create a permanent binding when the registration reply is received from the second one of the plurality of Home Agents. The registration reply is then sent to the Foreign Agent identified in the temporary binding.